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Sequence Listing was accepted.

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Reviewer: Anne Corrigan

Timestamp: Tue Jun 05 18:37:10 EDT 2007

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Application No: 10582345 Version No: 1.0

Input Set:**Output Set:**

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Finished: 2007-06-05 17:19:03.011
Elapsed: 0 hr(s) 0 min(s) 1 sec(s) 439 ms
Total Warnings: 49
Total Errors: 0
No. of SeqIDs Defined: 49
Actual SeqID Count: 49

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W 213	Artificial or Unknown found in <213> in SEQ ID (18)
W 213	Artificial or Unknown found in <213> in SEQ ID (19)
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Error Description

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SEQUENCE LISTING

<110> TAKARA BIO INC.

<120> A method for nucleic acid amplification

<130> 664878

<140> 10582345

<141> 2007-06-05

<150> JP 2003-412326

<151> 2003-12-10

<160> 49

<170> PatentIn version 3.1

<210> 1

<211> 242

<212> DNA

<213> Artificial Sequence

<220>

<223> A portion of SARS coronavirus genomic RNA reverse transcribed to DNA. "nucleotide 1 to 5 is HindIII restriction site- nucleotide 238 to 242 is BamHI restriction site."

<400> 1

aagctttctc tatgatgggt ttcaaatga attaccaagt caatgggttac cctaatatgt 60

ttatcacccg cgaagaagct attcgtcacg ttcgtgctg gattggcttt gatgtagagg 120

gctgtcatgc aactagagat gctgtgggta ctaacctacc tctccagcta ggattttcta 180

caggtgttaa cttagtagct gtaccgactg gttatgttga cactgaaaat aacacaggat 240

cc 242

<210> 2

<211> 18

<212> DNA

<213> Artificial Sequence

<220>

<223> Designed chimeric oligonucleotide primer designated as 205RN3(18) for synthesizing cDNA from mRNA, and to amplify a portion of SARS coronavirus genome. "nucleotides 16 to 18 are ribonucleotides- other nucleotides are deoxyribonucleotides."

<400> 2

agttgcatga cagcccuc 18

<210> 3

<211> 30

<212> DNA
 <213> Artificial Sequence

 <220>
 <223> Designed oligonucleotide primer designated as A12-205R for synthesizing cDNA from mRNA.

 <400> 3
 aaacatatta ggagttgcat gacagccctc 30

 <210> 4
 <211> 18
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Designed oligonucleotide primer designated as 215R for synthesizing cDNA from mRNA.

 <400> 4
 cagcatctct agttgcat 18

 <210> 5
 <211> 30
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Designed oligonucleotide primer designated as A12-215R for synthesizing cDNA from mRNA, and to amplify a portion of SARS coronavirus genome.

 <400> 5
 aaacatatta ggcagcatct ctagttgcat 30

 <210> 6
 <211> 30
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Designed oligonucleotide primer designated as A12-223R for synthesizing cDNA from mRNA, and to amplify a portion of SARS coronavirus genome.

 <400> 6
 aaacatatta ggagtaccca cagcatctct 30

 <210> 7
 <211> 18
 <212> DNA
 <213> Artificial Sequence

<220>
<223> Designed chimeric oligonucleotide primer designated as 134FN3(18) to amplify a portion of SARS coronavirus genome. "nucleotides 16 to 18 are ribonucleotides- other nucleotides are deoxyribonucleotides."

<400> 7
atcacccgcg aagaagcu 18

<210> 8
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Designed oligonucleotide primer designated as A12(-10)-215R for synthesizing cDNA from mRNA, and to amplify a portion of SARS coronavirus genome.

<400> 8
gggtaaccat tgcagcatct ctagttgcat 30

<210> 9
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Designed oligonucleotide primer designated as A12(-20)-215R for synthesizing cDNA from mRNA, and to amplify a portion of SARS coronavirus genome.

<400> 9
tgacttggtat atcagcatct ctagttgcat 30

<210> 10
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Designed oligonucleotide primer designated as A12(6)-215R for synthesizing cDNA from mRNA, and to amplify a portion of SARS coronavirus genome.

<400> 10
ggtgataaac atcagcatct ctagttgcat 30

<210> 11
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Designed oligonucleotide primer designated as A12(12)-215R for synthesizing cDNA from mRNA, and to amplify a portion of SARS coronavirus genome.

<400> 11
ttcgcgggtg atcagcatct ctagttgcat 30

<210> 12
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Designed chimeric oligonucleotide primer designated as B134FN3(16) to amplify a portion of SARS coronavirus genome. "nucleotides 14 to 16 are ribonucleotides- other nucleotides are deoxyribonucleotides." "5'-end is labeled with biotin."

<400> 12
atcacccgcg aagaag 16

<210> 13
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Designed chimeric oligonucleotide primer designated as 205RN3(16) to amplify a portion of SARS coronavirus genome. "nucleotides 14 to 16 are ribonucleotides- other nucleotides are deoxyribonucleotides."

<400> 13
agttgcatga cagccc 16

<210> 14
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Designed oligonucleotide primer designated as A6(-10)-215R for synthesizing cDNA from mRNA, and to amplify a portion of SARS coronavirus genome.

<400> 14
gggtaacagc atctctagtt gcat 24

<210> 15
<211> 27
<212> DNA
<213> Artificial Sequence

<220>
<223> Designed oligonucleotide primer designated as A9(-10)-215R for synthesizing cDNA from mRNA, and to amplify a portion of SARS coronavirus genome.

<400> 15
gggtaaccac agcatctcta gttgcat 27

<210> 16
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Designed oligonucleotide probe designated as SARS-BNI-B for detecting an amplified a portion of SARS coronavirus genome. "5'-end is labeled with FITC."

<400> 16
aagccaatcc acgcacgaac 20

<210> 17
<211> 18
<212> DNA
<213> Artificial Sequence

<220>
<223> Designed chimeric oligonucleotide primer designated as 160FN3 to amplify a portion of SARS coronavirus genome. "nucleotides 16 to 18 are ribonucleotides- other nucleotides are deoxyribonucleotides."

<400> 17
cgttcgtgcg tggatugg 18

<210> 18
<211> 14
<212> DNA
<213> Artificial Sequence

<220>
<223> Designed chimeric oligonucleotide primer designated as 241RN3 to amplify a portion of SARS coronavirus genome. "nucleotides 12 to 14 are ribonucleotides- other nucleotides are deoxyribonucleotides."

<400> 18
tagctggaga ggua 14

<210> 19
<211> 21
<212> DNA

<213> Artificial Sequence

<220>

<223> Designed chimeric oligonucleotide primer designated as (A12)241 RN3 to amplify a portion of SARS coronavirus genome. "nucleotides 18 to 21 are ribonucleotides- other nucleotides are deoxyribonucleotides."

<400> 19

tgacgaatag ctggagaggu a

21

<210> 20

<211> 16

<212> DNA

<213> Artificial Sequence

<220>

<223> Designed chimeric oligonucleotide primer designated as 134FN3(16) to amplify a portion of SARS coronavirus genome. "nucleotides 14 to 16 are ribonucleotides- other nucleotides are deoxyribonucleotides."

<400> 20

atcacccgcg aagaag

16

<210> 21

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Designed chimeric oligonucleotide primer designated as ICAN-ALDH2-F to amplify a portion of human aldehyde dehydrogenase 2 gene. "nucleotides 18 to 20 are ribonucleotides- other nucleotides are deoxyribonucleotides."

<400> 21

agttgggcga gtacgggcug

20

<210> 22

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Designed chimeric oligonucleotide primer designated as ICAN-ALDH2-R to amplify a portion of human aldehyde dehydrogenase 2 gene. "nucleotides 18 to 20 are ribonucleotides- other nucleotides are deoxyribonucleotides."

<400> 22

cagaccctca agccccaaca

20

<210> 23
 <211> 14
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Designed chimeric oligonucleotide probe designated as ALDH2 wG probe for detecting an amplified a portion of native human aldehyde dehydrogenase 2 gene. "nucleotides 11 is ribonucleotide- other nucleotides are deoxyribonucleotides." "5'-end is labeled with ROX, and 3'-end is labeled with Eclipse."

 <400> 23
 ggcatacact gaag 14

<210> 24
 <211> 14
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Designed chimeric oligonucleotide probe designated as ALDH2 mA probe for detecting an amplified a portion of mutant human aldehyde dehydrogenase 2 gene. "nucleotides 11 is ribonucleotide- other nucleotides are deoxyribonucleotides." "5'-end is labeled with FAM, and 3'-end is labeled with Eclipse."

 <400> 24
 ggcatacact aaag 14

<210> 25
 <211> 29
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Designed oligonucleotide primer designated as ALDH2-TH1 to amplify a portion of human aldehyde dehydrogenase 2 gene.

 <400> 25
 cccggccact ccgcagaccc tcaagcccc 29

<210> 26
 <211> 28
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Designed oligonucleotide primer designated as ALDH2-TH2 to amplify a portion of human aldehyde dehydrogenase 2 gene.

 <400> 26
 cccggccact ccagccacca gcagaccc 28

<210> 27
 <211> 28
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Designed oligonucleotide primer designated as ALDH2-TH3 to amplify a portion of human aldehyde dehydrogenase 2 gene.

 <400> 27
 cccggccact ccaggctccg agccacca 28

 <210> 28
 <211> 21
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Designed oligonucleotide PCR primer designated as ALDH2-F to amplify a portion of human aldehyde dehydrogenase 2 gene.

 <400> 28
 caggggtcaac tgctatgatg t 21

 <210> 29
 <211> 21
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Designed oligonucleotide PCR primer designated as ALDH2-R to amplify a portion of human aldehyde dehydrogenase 2 gene.

 <400> 29
 agcccccaac agacccaat c 21

 <210> 30
 <211> 16
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Designed oligonucleotide primer designated as ALDH2-TH4 to amplify a portion of human aldehyde dehydrogenase 2 gene.

 <400> 30
 agccaccagc agaccc 16

 <210> 31
 <211> 17
 <212> DNA
 <213> Artificial Sequence

<220>
<223> Designed chimeric oligonucleotide primer designated as F2 to amplify a portion of Legionella pneumophila mip gene. "nucleotides 15 to 17 are ribonucleotides- other nucleotides are deoxyribonucleotides."

<400> 31
atggggccttg caatguc 17

<210> 32
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> Designed chimeric oligonucleotide primer designated as R2 to amplify a portion of Legionella pneumophila mip gene. "nucleotides 15 to 17 are ribonucleotides- other nucleotides are deoxyribonucleotides."

<400> 32
agtagctaag gatgugg 17

<210> 33
<211> 12
<212> DNA
<213> Artificial Sequence

<220>
<223> Designed chimeric oligonucleotide probe designated as Mip4g12 probe for detecting an amplified a portion of Legionella pneumophila mip gene. "nucleotides 4 is ribonucleotide- other nucleotides are deoxyribonucleotides." "5'-end is labeled with FAM, and 3'-end is labeled with Eclipse."

<400> 33
aatggctgca ac 12

<210> 34
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> Designed oligonucleotide primer designated as R2(-13) to amplify a portion of Legionella pneumophila mip gene.

<400> 34
ccaatgctat aagacaa 17

<210> 35
<211> 29

<212> DNA
 <213> Artificial Sequence

 <220>
 <223> Designed oligonucleotide primer designated as R2(-13)A12-1 to amplify a portion of Legionella pneumophila mip gene.

 <400> 35
 aacagctgca gtccaatgct ataagacaa 29

 <210> 36
 <211> 29
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Designed oligonucleotide primer designated as R2(-13)A12-2 to amplify a portion of Legionella pneumophila mip gene.

 <400> 36
 caccaatttc atccaatgct ataagacaa 29

 <210> 37
 <211> 20
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Designed oligonucleotide PCR primer designated as c-Ki-ras/12F to amplify a portion of human c-Ki-ras2 gene.

 <400> 37
 gactgaatat aaacttgtgg 20

 <210> 38
 <211> 23
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Designed oligonucleotide PCR primer designated as rasT1R to amplify a portion of human c-Ki-ras2 gene.

 <400> 38
 aaactattgt tggatcatat tcg 23

 <210> 39
 <211> 25
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Designed oligonucleotide PCR primer designated as rasT14F to am

plify a portion of human c-Ki-ras2 gene.

<400> 39

gcgcggactg aatataaact tgtgg

25

<210> 40

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> Designed oligonucleotide PCR primer designated as rasT4R to amplify a portion of human c-Ki-ras2 gene.

<400> 40

aaacgcgcgc tattgttgga tcatattcg

29

<210> 41

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Designed chimeric oligonucleotide primer designated as c-Ki-ras/12FN3 to amplify a portion of human c-Ki-ras2 gene. "nucleotides 18 to 20 are ribonucleotide- other nucleotides are deoxyribonucleotides."

<400> 41

gactgaatat aaacttgugg

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<210> 42

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Designed chimeric oligonucleotide primer designated as c-Ki-ras/12RN3 to amplify a portion of human c-Ki-ras2 gene. "nucleotides 18 to 20 are ribonucleotide- other nucleotides are deoxyribonucleotides."

<400> 42

ctattgttgg atcatatucg

20

<210> 43

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Designed oligonucleotide primer designated as PJDBF to amplify a portion of Neisseria gonorrhoeae cppB gene.

<400> 43
ctttgcttca atgcctcggt 20

<210> 44
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> Designed oligonucleotide primer designated as PJDBR to amplify
a portion of Neisseria gonorrhoeae cppB gene.

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catcacgcac cgaagcc 17

<210> 45
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Designed chimeric oligonucleotide primer designated as PJDB0FN3
to amplify a portion of Neisseria gonorrhoeae cppB gene. "nucle
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bonucleotides."

<400> 45
ctttgcttca atgcctcguu 20

<210> 46
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> Designed chimeric oligonucleotide primer designated as PJDB0RN3
to amplify a portion of Neisseria gonorrhoeae cppB gene. "nucle
otides 15 to 17 are ribonucleotide- other nucleotides are deoxyri
bonucleotides."

<400> 46
catcacgcac cgaagcc 17

<210> 47
<211> 24
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<213> Artificial

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<223> Designed oligonucleotide primer designated as A6-215R to amplif
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aaacatcagc atctctagtt gcat 24

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<211> 27
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<223> Designed oligonucleotide primer designated as A9-215R to amplify a portion of SARS coronavirus genome.

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aaacatattc agcatctcta gttgcat 27

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